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DATE: December 19, 2005

PTO IDENTIFIER: Application Number 08/728,463-Conf. #2701
ALLOWED SEPTEMBER 20, 2005
ISSUE FEE DUE DECEMBER 20, 2005***

Inventor: Nils Lonberg et al.

MESSAGE TO: US Patent and Trademark Office
Examiner P. J. Nolan
C/O SUPERVISOR: CHRISTINA CHAN
Art Unit 1644
FAX NUMBER: (571) 273-8300FROM: DARBY & DARBY P.C.
Jeffrey C. Pepe
PHONE: (206) 262-8911
Attorney Dkt. #: 04280/1201643-US2

PAGES (Including Cover Sheet): 24

CONTENTS: COPY of Auto-Reply Fax Transmission (1 page)
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Certificate of Transmission (1 page)
Transmittal (1 page)
Request For Acknowledgment Of Previously Submitted Information Disclosure
Statement (IDS) (2 pages)
Copy of IDS Postcard (1 page)
Copy of IDS of 01/24/97 (2 pages)
Copy of PTO-1449 (12 pages)
Copy of References Sent Postcard (1 page)
Copy of Transmittal of References Sent on 03/09/01 (1 page)

Dear Ms. Chan - Further to my voice mail message of today, we ask that this IDS be signed off and returned via facsimile by Tuesday, 12/20/05 so that we may pay the issue fee in this application. Your help in this matter is greatly appreciated.

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Telephone: (206) 262-8900 Facsimile: (212) 527-7701

{S:\04280\1201643-us2\80046624.DOC 12/19/2005 5:08:56 PM [Eastern Standard Time] * SVR:USPTO-EFAX-6/33 * DNIS:2738300 * CSID:2062628901 * DURATION (mm-ss):10-12 }

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FAX TRANSMISSION	
DATE: October 28, 2005	
PTO IDENTIFIER: Application Number 09/728,463-Conf. #2701 ALLOWED SEPTEMBER 20, 2005	
Inventor: Nils Lomberg et al.	
MESSAGE TO: US Patent and Trademark Office Examiner P. J. Nolan Art Unit 1644	
FAX NUMBER: (571) 273-8300	
FROM: DARBY & DARBY P.C. Jeffrey C. Pepe	
PHONE: (206) 262-8911	
Attorney Del. #: 04280/1201643-U.S.	
PAGES (including Cover Sheet): 22	
CONTENTS:	Certificate of Transmission (1 page) Transmittal (1 page) Request for Acknowledgment Of Previously Submitted Information Disclosure Statement (PDS) (2 pages) Copy of IDS Postcard (1 page) Copy of IDS of 01/24/99 (2 pages) Copy of PTO-1449 (12 pages) Copy of References Sent Postcard (1 page) Copy of Transmittal of References Sent on 03/09/01 (1 page) PLEASE DELIVER TO EXAMINER NOLAN AS SOON AS POSSIBLE
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(S:10428011201643-us260040916,DOC 53/FU/16711/28.001)

PAGE 1/22 * RCVD AT 12/19/2005 5:08:56 PM [Eastern Standard Time] * SVR:USPTO-EFXXRF-6/33 * DNIS:2738300 * CSID:2062628901 * DURATION (mm-ss):10-12

FAX TRANSMISSION**DATE:** October 28, 2005**PTO IDENTIFIER:** Application Number 08/728,463-Conf. #2701
ALLOWED SEPTEMBER 20, 2005**Inventor:** Nils Lonberg et al.**MESSAGE TO:** US Patent and Trademark Office
Examiner P. J. Nolan
Art Unit 1644**FAX NUMBER:** (571) 273-8300**FROM:** DARBY & DARBY P.C.

Jeffrey C. Pepe

PHONE: (206) 262-8911**Attorney Dkt. #:** 04280/1201643-US2**PAGES (Including Cover Sheet):** 22**CONTENTS:** Certificate of Transmission (1 page)
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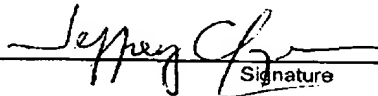
Application No. (if known): 08/728,463

Attorney Docket No.: 04280/1201643-US2

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on October 28, 2005
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Signature

Jeffrey C. Pepe

Typed or printed name of person signing Certificate

46,985

Registration Number, if applicable

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Request For Acknowledgment Of Previously Submitted Information**Disclosure Statement (IDS) (2 pages)**

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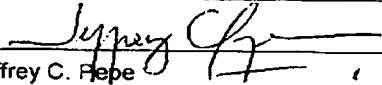
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<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;"><i>(to be used for all correspondence after initial filing)</i></p>		Application Number		08/728,463-Conf. #2701				
		Filing Date		October 10, 1996				
		First Named Inventor		Nils Lonberg				
		Art Unit		1644				
		Examiner Name		P. J. Nolan				
Total Number of Pages in This Submission		22		Attorney Docket Number		04280/1201643-US2		
ENCLOSURES (Check all that apply)								
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53			<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD			<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): See Remarks below		
			<div style="border: 1px solid black; padding: 5px;"> Remarks Request for Acknowledgement of IDS (2 pp), Copy IDS Postcard (1 page), Copy IDS of 1/24/97 (2 pages), Copy of PTO-1449 (12 pages), Copy of Refs Sent Postcard (1 page), Copy of Transmittal of Refs Sent (1 page), Certificate of Facsimile Transmittal (1 page), Fax Cover (1 page) </div>					
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT								
Firm Name		DARBY & DARBY P.C.						
Signature								
Printed name		Jeffrey C. Repe						
Date		October 28, 2005			Reg. No.		46,985	

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Docket No.: 04280/1201643-US2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Nils Lonberg et al.

Allowed: September 20, 2005

Application No.: 08/728,463

Confirmation No.: 2701

Filed: October 10, 1996

Art Unit: 1644

For: TRANSGENIC NON-HUMAN ANIMALS
FOR PRODUCING HETEROLOGOUS
ANTIBODIES

Examiner: P. J. Nolan

REQUEST FOR ACKNOWLEDGMENT OF PREVIOUSLY SUBMITTED
INFORMATION DISCLOSURE STATEMENT (IDS)


MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

This application has been allowed and the issue fee is due December 20, 2005.

It has come to our attention that the Form PTO-1449 (12 pages) submitted with the initial Information Disclosure Statement (IDS) in the instant application, has not yet been acknowledged.

The IDS, Form PTO-1449, and 5 references were mailed on January 24, 1997 and received by the U.S. Patent and Trademark Office (USPTO) on January 28, 1997 (please see attached copy of return receipt postcard). The USPTO PAIR system shows that the IDS was filed, and a copy of the 2 pages of IDS appears on the Image File Wrapper on PAIR. However, a copy of the 12 pages of PTO-1449 does not appear on the Image File Wrapper for this application, nor do the 5 references submitted.

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Request For Acknowledgment Of Previously
Submitted Information Disclosure Statement (IDS)
Application No.: 08/728,463

2

Docket No.: 04280/1201643-US2

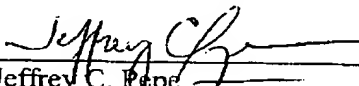
Our records also show that copies of these references were forwarded to Examiner Amy Decloux on March 9, 2001 and received by the USPTO on March 15, 2001 (see attached copy of Return Receipt Postcard and Transmittal form).

Accordingly, Applicants respectfully request that the 12 pages of PTO-1449, originally submitted January 28, 1997 (as noted above and enclosed herewith), be reviewed by the Examiner and acknowledged.

Applicants appreciate the Examiner's prompt response to this submission.

Dated: October 28, 2005

Respectfully submitted,

By 
Jeffrey C. Repe
Registration No.: 46,985

DARBY & DARBY P.C.
P.O. Box 5257
New York, New York 10150-5257
(206) 262-8900
(212) 527-7701 (Fax)
Attorneys/Agents For Applicant

{S:\04280\1201643-us2\80040918.DOC \USPTO\EPXRF\5\33 * DNIS:2738300 * CSID:2062628901 * DURATION (mm-ss):10-12 }

COPYAPPLICANT **J. S. LONBERG et al.**Title: **TRANSGENIC NON-HUMAN ANIMALS FOR
PRODUCING HETEROLOGOUS ANTIBODIES**Serial No: **08/728,463** Filed: **October 10, 1995**Fee (if any) **\$0.00** Check Enclosed ☐ Yes ☒ No

Certificate of Mailing:

First Class ☐ Express Mail label no. _____Kindly stamp receipt date and mail to acknowledge receipt of
the accompanying:

1. Information Disclosure Statement Under 37 CFR §1.97 and §1.98

2. Form PTO-1449 listing references A1-C101

3. 5 References

4. Postcard

Due Date: _____

Date Mailed: **1/24/97**Atty/Secy **RTA/dmv**File No.: **014643-009020US**

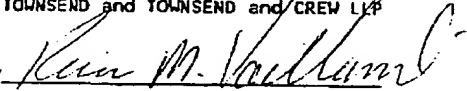
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TOWNSEND and TOWNSEND and CREW LLP

By

**COPY**PATENT

Attorney Docket No. 014643-009020US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

NILS LONBERG et al.

Application No.: 08/728,463

Filed: 10 October, 1996

For: TRANSGENIC NON-HUMAN
ANIMALS FOR PRODUCING
HETEROLOGOUS ANTODIES

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Examiner: UNASSIGNED

Art Unit: UNASSIGNED

INFORMATION DISCLOSURE
STATEMENT UNDER37 CFR §1.97 and §1.98Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The disclosures cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of some of the disclosures (references A1-C96) are not being provided pursuant to 37 C.F.R. 1.98(d), as those disclosures have been previously cited by or submitted to the Patent Office in prior applications Serial Nos. 07/810,279, 07/853,408, 08/161,739, 08/165,699, 08/096,762, 08/352,322, and 08/209,741, to which the above identified application claims priority.

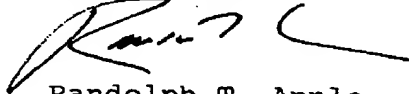
This information disclosure statement is being filed before the mailing date of the first office action on the merits.

Niels LONGBERG et al.
Application No.: 08/728,463
Page 2

PATENT

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the disclosures be made of record therein and appear among the "references cited" on any patent to issue therefrom.

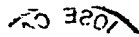
Respectfully submitted,



Randolph T. Apple
Reg. No. 36,429

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200
Fax (415) 576-0300
RTA:dmv

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COPY**UNITED STATES PATENT AND TRADEMARK OFFICE**

Please stamp your date of receipt of the following documents and return to addressee:

Mailing Date:	March 9, 2001	First Class Mail
File No.:	014643-009020us	Attorney: ATS/ksj
Application No.:	08/728,463	Filed: October 10, 1996
Inventor(s):	LONBERGet al..	MAR 29 2001
Title:	TRANSGENIC NON-HUMAN ANIMALS FOR PRODUCING HETEROLOGOUS ANTIBODIES	

References cited in the Information Disclosure Statement previously filed and referenced in the parent case, application no. 08/352,322

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08/11/01 08:11:11

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	08/728,463	
	Filing Date	October 10, 1996	
	First Named Inventor	Lonberg, Nils, et. al.	
	Group Art Unit	1644	
	Examiner Name	DeCloux, Amy	
Total Number of Pages in This Submission	3	Attorney Docket Number	14643009020

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Response
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s)

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter

☒ Other Enclosure(s)
(please identify below):

References cited in the Information Disclosure Statement previously filed and referenced in the parent case, application no. 08/352,322

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Andrew T. Serafini	Reg No. 41,303
Signature	<i>Andrew T. Serafini</i>	
Date	030901	

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Typed or printed name

Mary Bernstein

Signature

Mary Bernstein

Date

3-9-01

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v

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT
(Use Several Sheets if Necessary)

PAGE 1 OF 12

Attorney Docket No.
14643-009000

Serial No.
08/352,322

Applicant
NILS LONBERG and ROBERT M. KAY

Filing Date
December 7, 1994

Group
1804

Reference DesignationU.S. PATENT DOCUMENTS

Examiner

File Date

Initial	Document No.	Date	Name	Class	Subcl:	If Approp
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_____ A1	4,204,244	04/20/93	Fell et al.	435		
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_____ A2	5,175,384	12/29/92	Krimpenfort	800		
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_____ A3	5,434,340	07/18/95	Krimpenfort	800		
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COPYFOREIGN PATENT DOCUMENTS

Trans.

Document No.	Date	Country	Class	Subcl:	Yes	No
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_____ B1	EP 0 315 062	05/10/89	EP			
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_____ B2	WO 90/04036	04/19/90	PCT			
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_____ B3	WO 90/12878	11/01/90	PCT			
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_____ B4	WO 92/03918	03/19/92	PCT			
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_____ B5	WO 91/10741	07/25/91	PCT			
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_____ B6	WO 91/00906	01/24/91	PCT			
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

_____ C1	Alt et al., Immunoglobulin genes in transgenic mice, TIG - August 1985
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_____ C2	Berman et. al., Content and organization of the human Ig V _H locus: definition of three new V _H families and linkage to the Ig C _H locus, The EMBO J. 7:727-738 (1988)
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_____ C3	Berton et. al., Synthesis of germ-line γ 1 immunoglobulin heavy-chain transcripts in resting B cells: Induction by interleukin 4 and inhibition by interferon γ , Proc. Natl. Acad. Sci. (U.S.A) 86:2829-2833 (1989)
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_____ C4	Bollag et al., Homologous recombination in mammalian cells, Annu. Rev. Genet. 23:199-225 (1989)
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT
(Use Several Sheets if Necessary)

PAGE 3 OF 11

Attorney Docket No.
14643-009000Serial No.
08/352,322Applicant
NILS LONBERG and ROBERT M. KAYFiling Date
December 7, 1994Group
1804OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- _____ C5 Bruggemann et al., Human antibody production in transgenic mice: expression from 100 kb of the human IgH locus, Eur. J. Immunol. 21:1323-1326 (1991)
- _____ C5(i) Bruggemann et al., A repertoire of monoclonal antibodies with human heavy chains from transgenic mice, Proc. Natl. Acad. Sci. USA 86:6709-6713 (1989)
- _____ C6 Bucchini et al., Rearrangement of a chicken immunoglobulin gene occurs in the lymphoid lineage of transgenic mice, Nature 326:409-411 (1987)
- _____ C7 Capecchi, The new mouse genetics: Altering the genome by gene targeting, TIG 5:70-76 (1989)
- _____ C8 Capecchi, Altering the genome by homologous recombination, Science 244:1288-1292 (1989)
- _____ C9 Coffman et. al., T cell activity that enhances polyclonal IgE production and its inhibition by interferon- γ , J. Immunol. 136:949-954 (1986)
- _____ C10 Coffman et al., A mouse T cell product that preferentially enhances IgA production, J. Immunol. 139:3685-3690 (1987)
- _____ C11 Doetschman et al., Targetted correction of a mutant HPRT gene in mouse embryonic stem cells, Nature 330:576-578 (1987)
- _____ C12 Durdik et al., Isotype switching by a microinjected μ immunoglobulin heavy chain gene in transgenic mice, Proc. Natl. Acad. Sci. USA 86:2346-2350 (1989)
- _____ C13 Esser and Radbruch, Rapid induction of transcription of unrearranged S γ 1 switch regions in activated murine B cells by interleukin 4, The EMBO J. 8:483-488 (1989)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Use Several Sheets if Necessary)

PAGE 3 OF 11

Attorney Docket No.
14643-009000

Serial No.
08/352,322

Applicant
NILS LONBERG and ROBERT M. KAY

Filing Date
December 7, 1994

Group
1804

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- _____ C13(i) Ferrier et al., Separate elements control DJ and VDJ rearrangement in a transgenic recombination substrate, The EMBO J. 9:117-125 (1990)
- _____ C14 Forni, extensive splenic B cell activation in IgM-transgenic mice, Eur. J. Immunol. 20:983-989 (1990)
- _____ C15 Gerstein et al., Isotype switching of an immunoglobulin heavy chain transgene occurs by dna recombination between different chromosomes, Cell 63:537-548 (1990)
- _____ C16 Goodhardt et al., Rearrangement and expression of rabbit immunoglobulin κ light chain gene in transgenic mice, Proc. Natl. Acad. Sci. (U.S.A.) 84:4229-4233 (1987)
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